

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
 Data File : BF136160.D
 Acq On : 06 Nov 2023 17:59
 Operator : CG\JU
 Sample : 05256-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-11

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/08/2023
 Supervised By :mohammad ahmed 11/08/2023

Quant Time: Nov 06 23:29:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 06 00:53:35 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	78599	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	303864	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	147974	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	224333	20.000	ng	0.00
76) Chrysene-d12	14.010	240	152254	20.000	ng	0.00
86) Perylene-d12	15.498	264	150237	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	516505	103.263	ng	0.00
7) Phenol-d6	6.451	99	638274	102.419	ng	0.00
23) Nitrobenzene-d5	7.381	82	400750	79.503	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	163171	103.309	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	759636	81.834	ng	0.00
79) Terphenyl-d14	12.951	244	564071	57.574	ng	0.00
Target Compounds						
31) Naphthalene	8.116	128	56269	3.840	ng	99
49) Acenaphthylene	9.716	152	41937	3.233	ng	99
52) Acenaphthene	9.886	154	37193	4.510	ng	97
55) Dibenzofuran	10.063	168	42687	3.550	ng	100
58) Fluorene	10.404	166	43823	4.867	ng	97
71) Phenanthrene	11.374	178	733405	64.930	ng	99
72) Anthracene	11.421	178	151824	13.117	ng	99
73) Carbazole	11.580	167	56647	5.632	ng	98
75) Fluoranthene	12.574	202	960265	82.755	ng	98
78) Pyrene	12.804	202	900113	67.055	ng	99
81) Benzo(a)anthracene	13.998	228	480104	47.631	ng	96
83) Chrysene	14.039	228	443622	44.690	ng	99
87) Indeno(1,2,3-cd)pyrene	17.009	276	171040m	17.420	ng	
88) Benzo(b)fluoranthene	15.068	252	540990m	60.855	ng	
89) Benzo(k)fluoranthene	15.092	252	202460m	23.017	ng	
90) Benzo(a)pyrene	15.439	252	375742	45.489	ng	96
91) Dibenzo(a,h)anthracene	17.021	278	43395	5.395	ng	96
92) Benzo(g,h,i)perylene	17.462	276	155852	18.888	ng	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

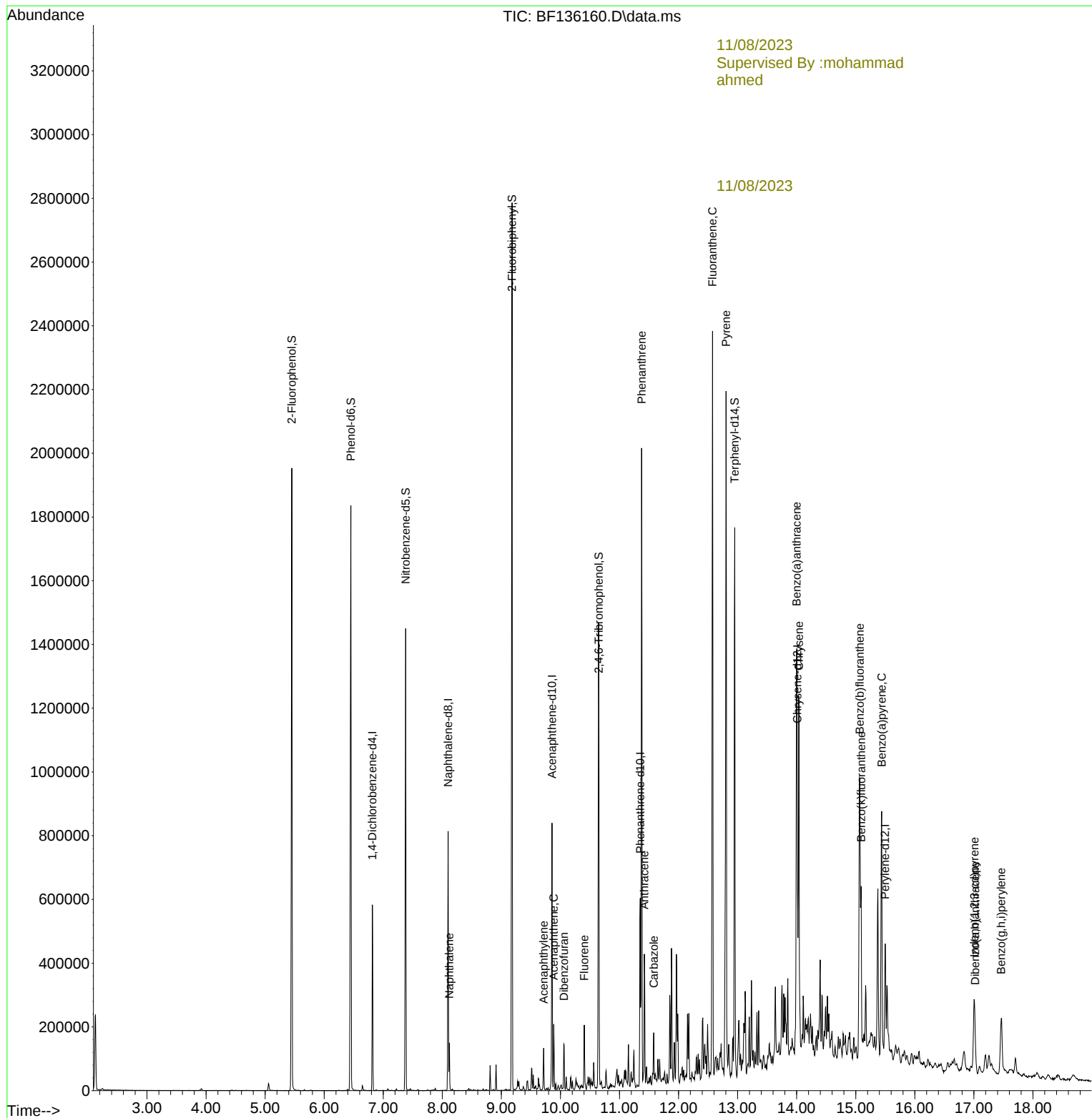
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136160.D
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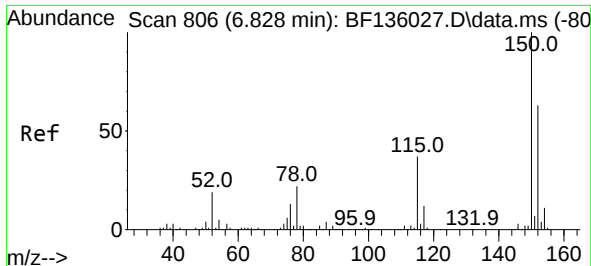
Instrument :
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Quant Time: Nov 06 23:29:48 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
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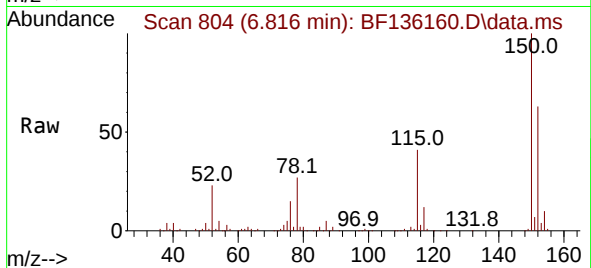
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

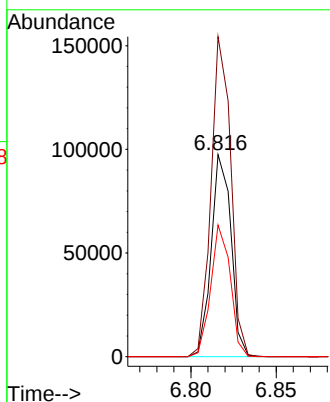
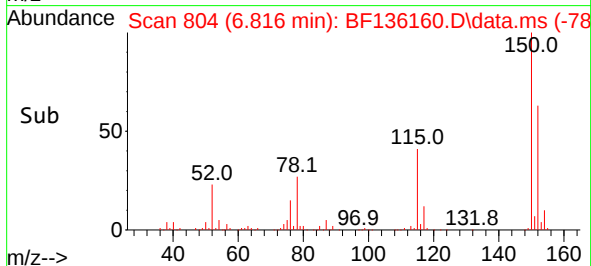
Instrument :
BNA_F
ClientSampleId :
WC-11



Tgt Ion:152 Resp: 7859
Ion Ratio Lower Upper
152 100
150 158.4 126.4 189.6
115 65.2 47.0 70.4

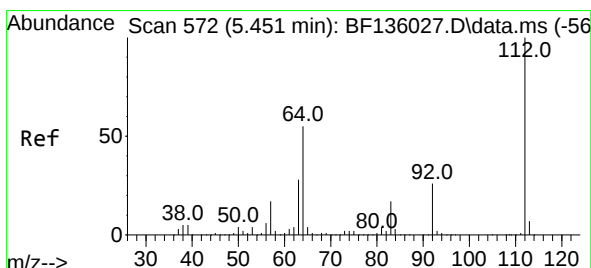
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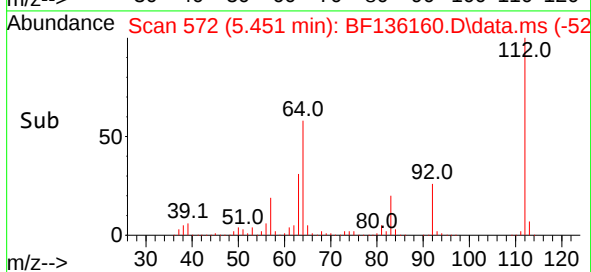
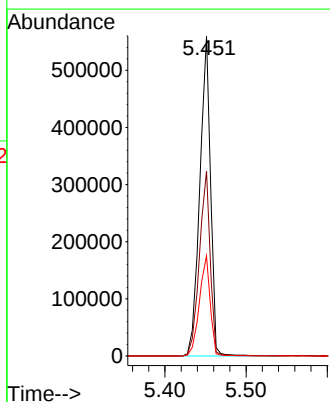
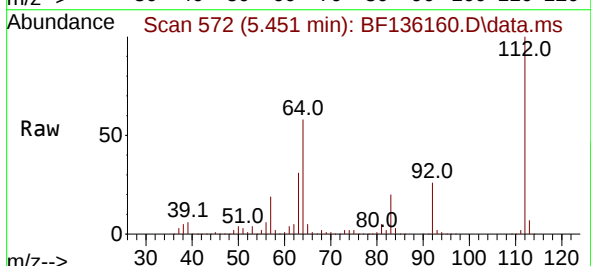
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ahmed

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#5
2-Fluorophenol
Concen: 103.263 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.006 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

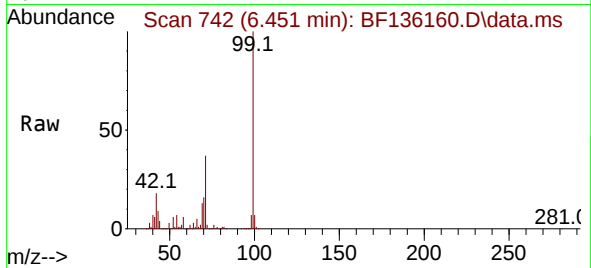
Tgt Ion:112 Resp: 516505
Ion Ratio Lower Upper
112 100
64 57.8 43.9 65.9
63 31.2 22.4 33.6





#7
Phenol-d6
Concen: 102.419 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

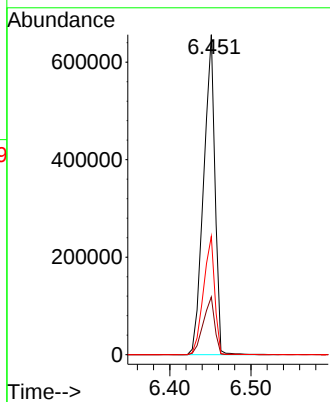
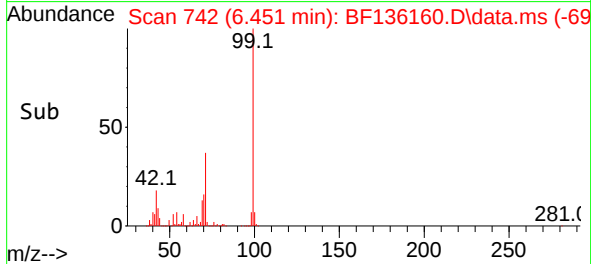
Instrument :
BNA_F
ClientSampleId :
WC-11



Tgt Ion: 99 Resp: 638274
Ion Ratio Lower Upper
99 100
42 18.0 13.7 20.5
71 37.0 25.9 38.9

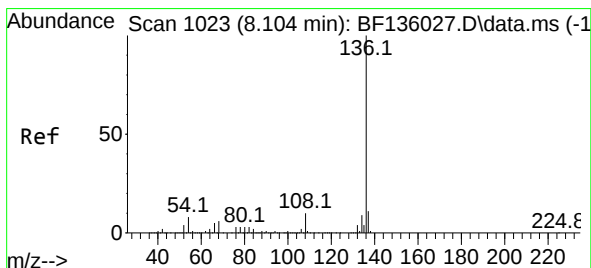
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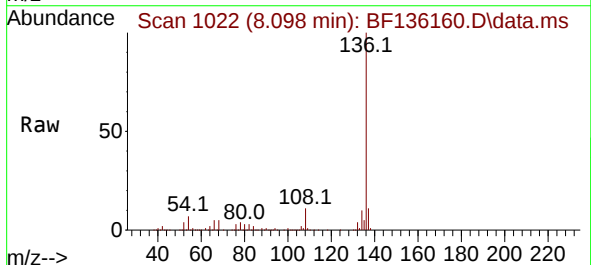


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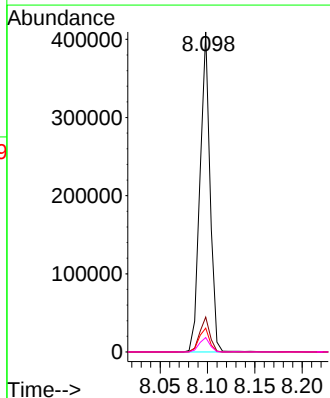
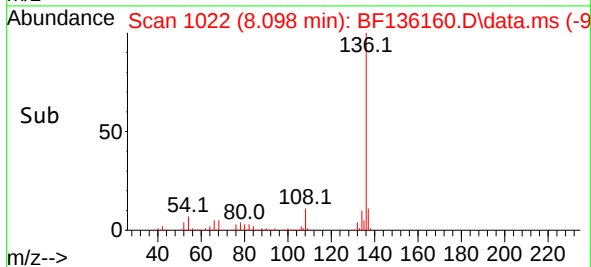
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59



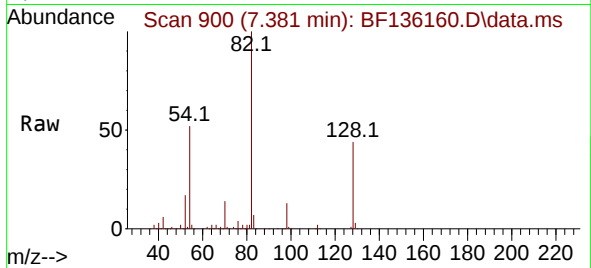
Tgt Ion:136 Resp: 303864
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 7.4 6.6 9.8
68 4.5 4.8 7.2#





#23
Nitrobenzene-d5
Concen: 79.503 ng
RT: 7.381 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

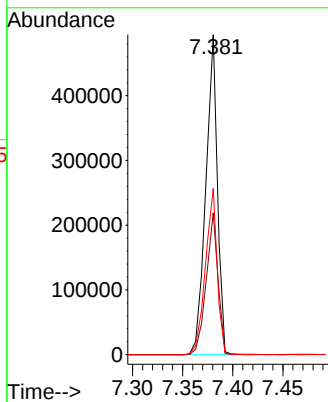
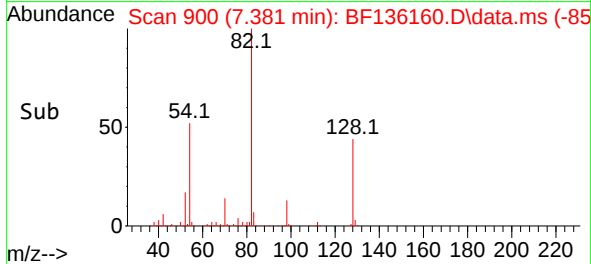
Instrument :
BNA_F
ClientSampleId :
WC-11



Tgt Ion: 82 Resp: 400750
Ion Ratio Lower Upper
82 100
128 44.3 38.6 57.8
54 52.0 40.8 61.2

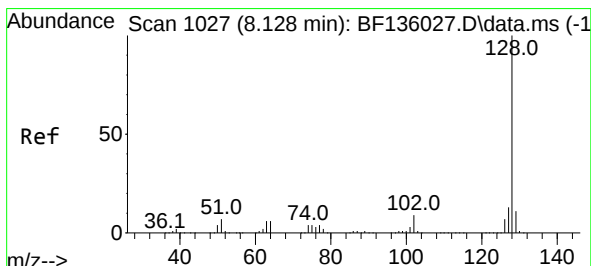
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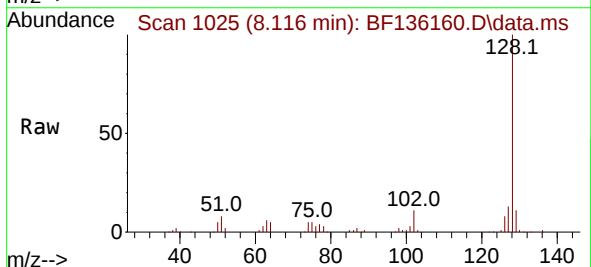


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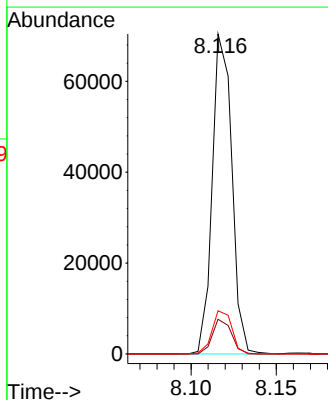
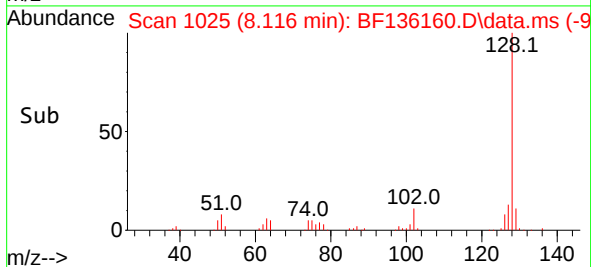
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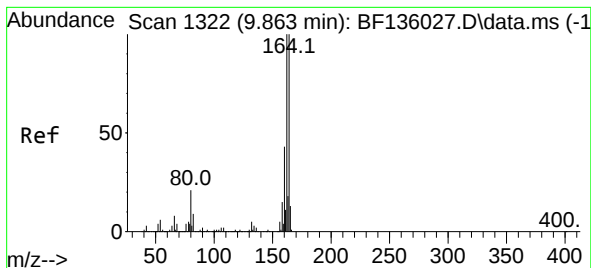


#31
Naphthalene
Concen: 3.840 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59



Tgt Ion:128 Resp: 56269
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 13.5 10.5 15.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136160.D

Acq: 06 Nov 2023 17:59

Instrument :

BNA_F

ClientSampleId :

WC-11

Tgt Ion:164 Resp: 147974

Ion Ratio Lower Upper

164 100

162 102.1 80.1 120.1

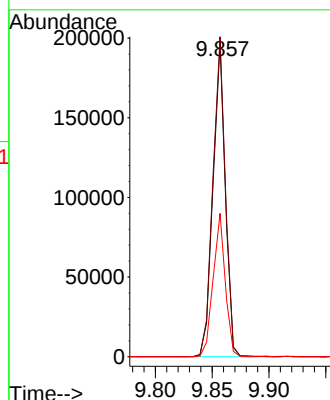
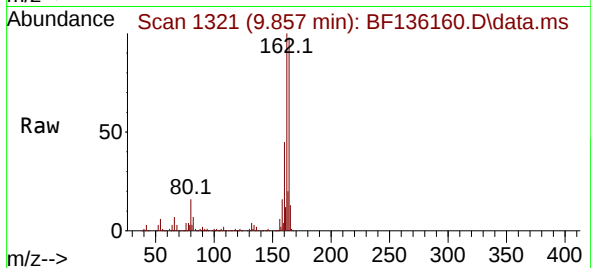
160 45.7 34.8 52.2

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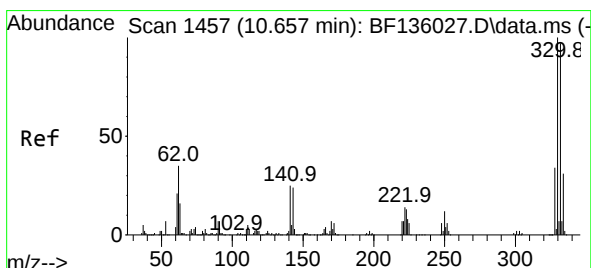
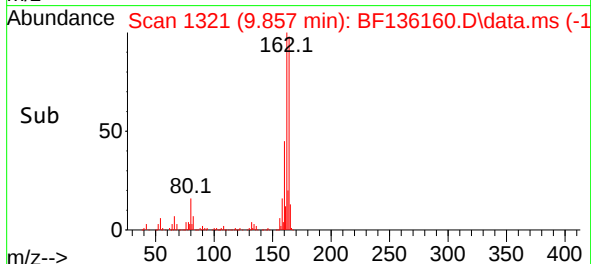
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ahmed

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#42

2,4,6-Tribromophenol

Concen: 103.309 ng

RT: 10.651 min Scan# 1456

Delta R.T. 0.000 min

Lab File: BF136160.D

Acq: 06 Nov 2023 17:59

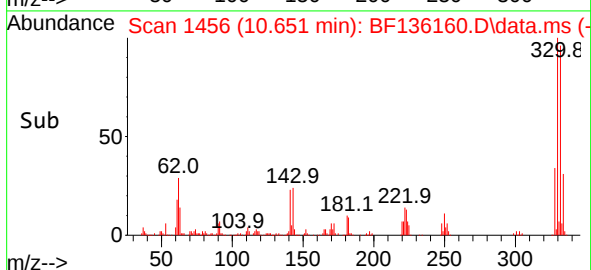
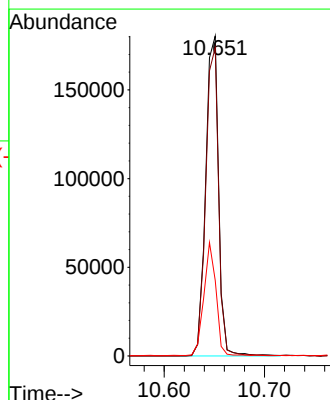
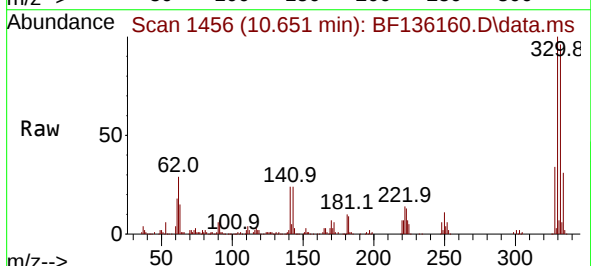
Tgt Ion:330 Resp: 163171

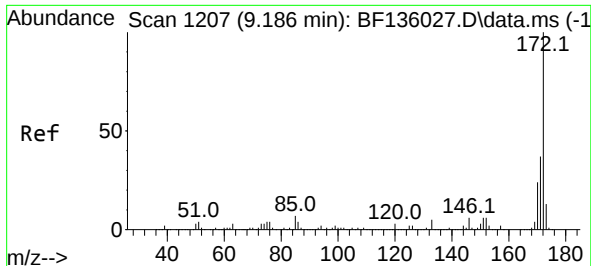
Ion Ratio Lower Upper

330 100

332 96.1 76.9 115.3

141 33.2 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 81.834 ng

RT: 9.180 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF136160.D

Acq: 06 Nov 2023 17:59

Instrument :

BNA_F

ClientSampleId :

WC-11

Tgt Ion:172 Resp: 759630

Ion Ratio Lower Upper

172 100

171 35.4 29.4 44.0

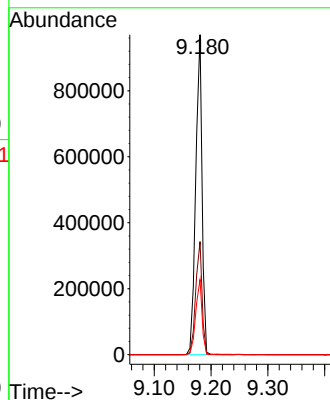
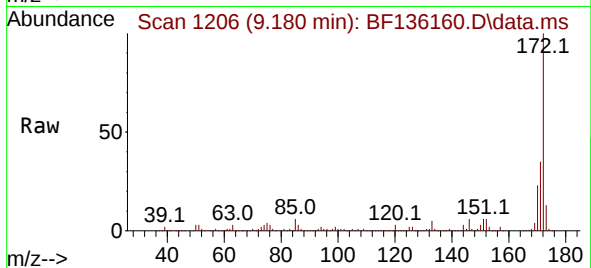
170 23.5 19.3 28.9

Manual Integrations

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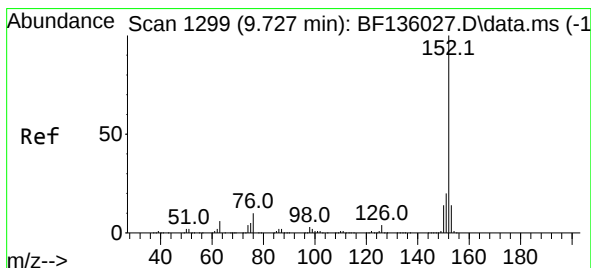
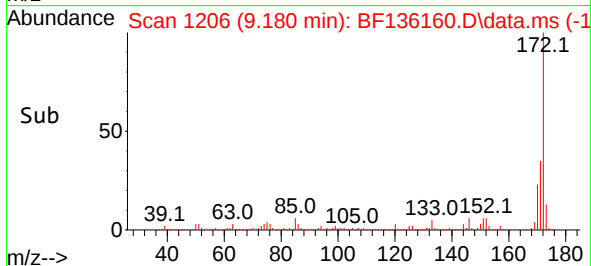
Supervised By :mohammad ahmed 11/08/2023



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ahmed

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#49

Acenaphthylene

Concen: 3.233 ng

RT: 9.716 min Scan# 1297

Delta R.T. -0.006 min

Lab File: BF136160.D

Acq: 06 Nov 2023 17:59

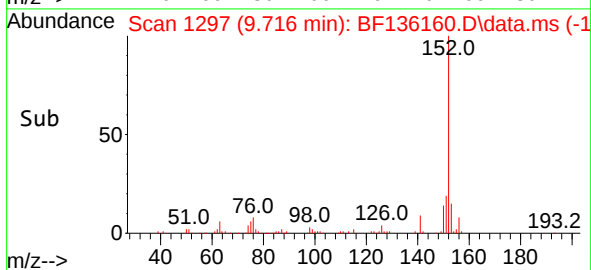
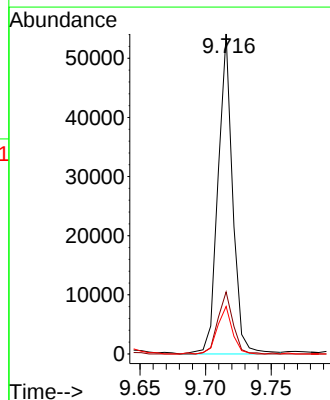
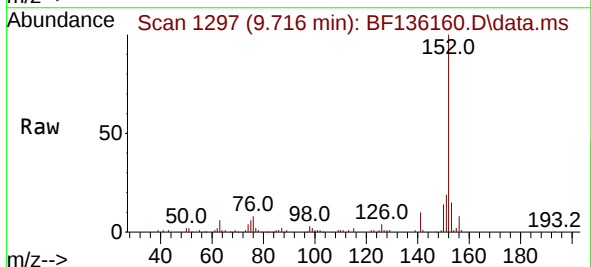
Tgt Ion:152 Resp: 41937

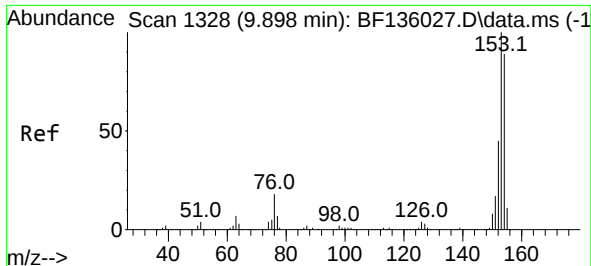
Ion Ratio Lower Upper

152 100

151 19.4 16.1 24.1

153 14.8 11.4 17.2





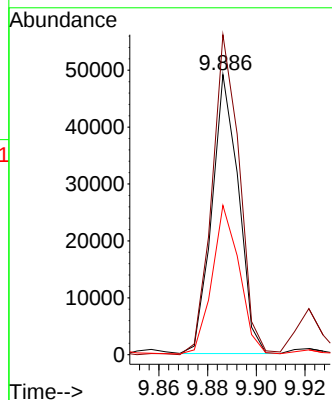
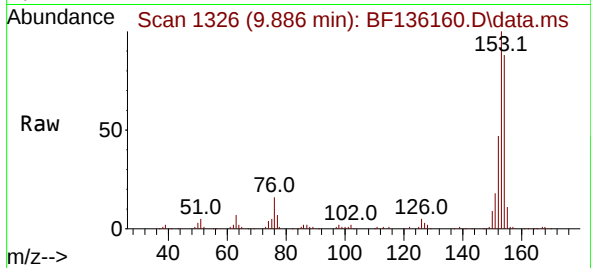
#52
Acenaphthene
Concen: 4.510 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

Instrument :
BNA_F
ClientSampleId :
WC-11

Tgt Ion:154 Resp: 3719
Ion Ratio Lower Upper
154 100
153 114.2 89.9 134.9
152 53.3 40.2 60.2

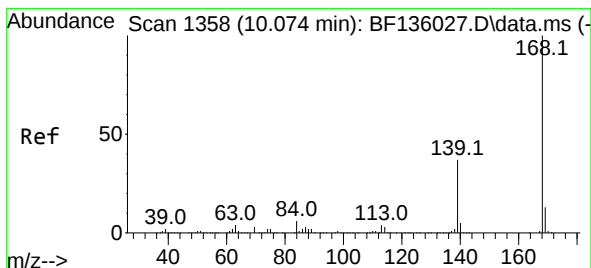
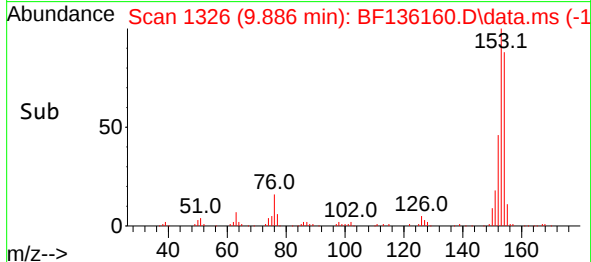
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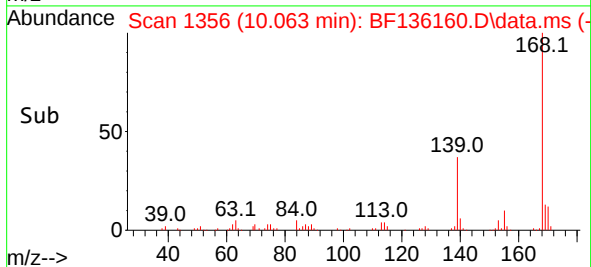
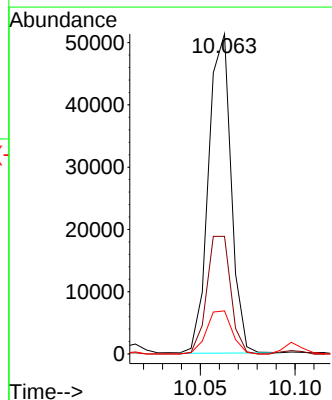
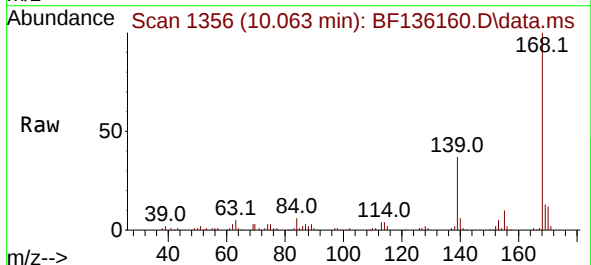
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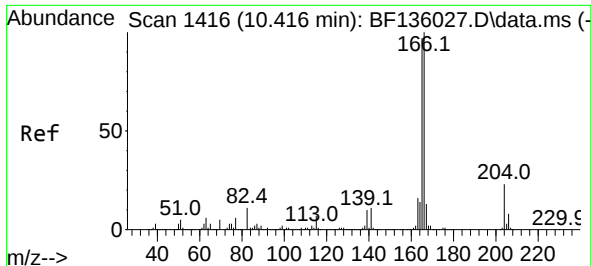
11/08/2023



#55
Dibenzofuran
Concen: 3.550 ng
RT: 10.063 min Scan# 1356
Delta R.T. -0.006 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

Tgt Ion:168 Resp: 42687
Ion Ratio Lower Upper
168 100
139 36.8 29.4 44.0
169 13.5 10.5 15.7





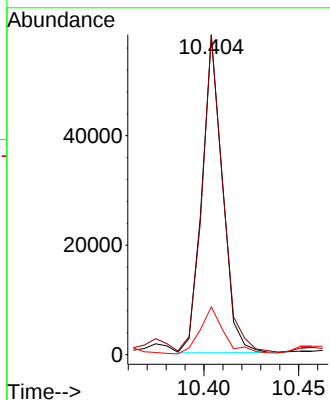
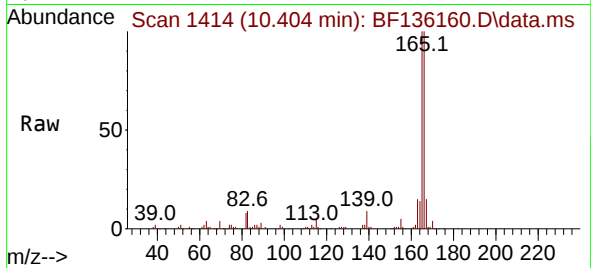
#58
Fluorene
Concen: 4.867 ng
RT: 10.404 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

Instrument :
BNA_F
ClientSampleId :
WC-11

Tgt Ion:166 Resp: 4382
Ion Ratio Lower Upper
166 100
165 100.2 77.7 116.5
167 15.0 10.6 16.0

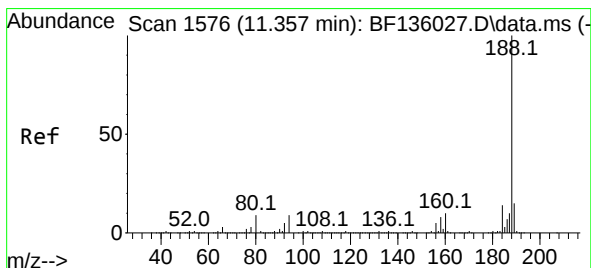
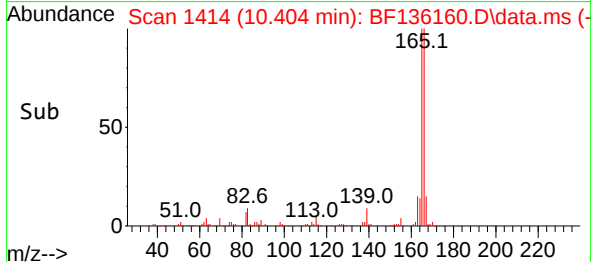
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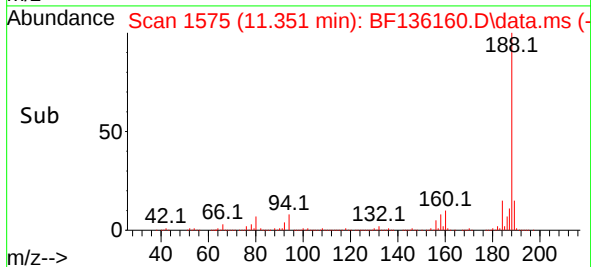
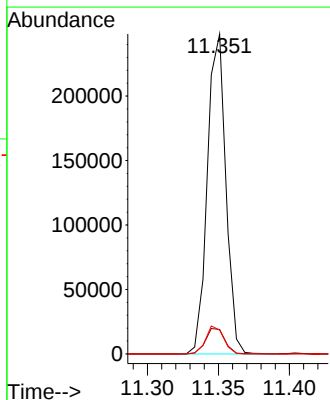
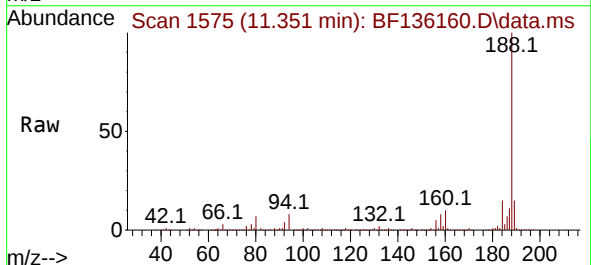
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Supervised By :mohammad
ahmed

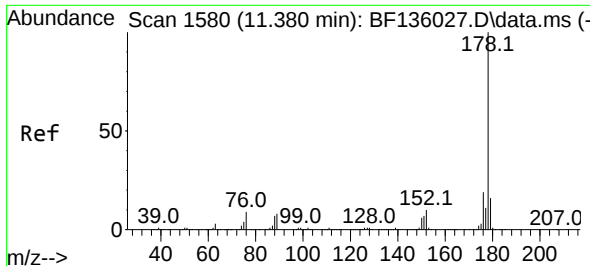
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

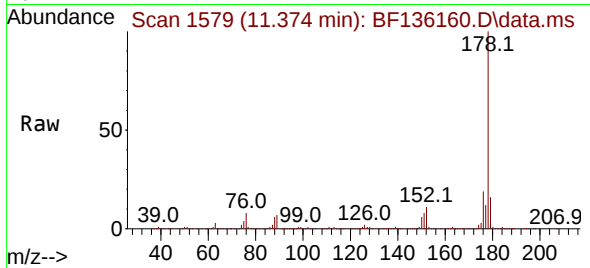
Tgt Ion:188 Resp: 224333
Ion Ratio Lower Upper
188 100
94 7.7 7.2 10.8
80 7.5 7.4 11.0





#71
Phenanthrene
Concen: 64.930 ng
RT: 11.374 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

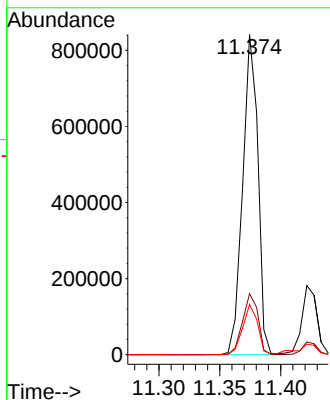
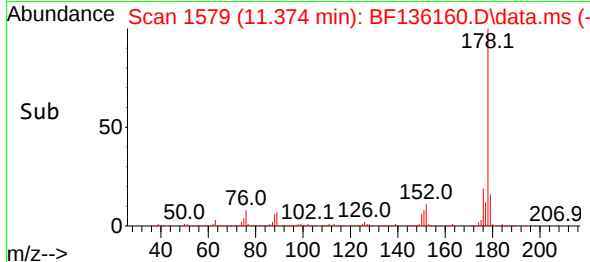
Instrument :
BNA_F
ClientSampleId :
WC-11



Tgt Ion:178 Resp: 73340
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.6 12.9 19.3

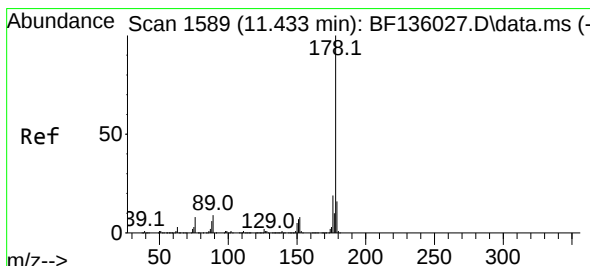
Manual Integrations
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Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023



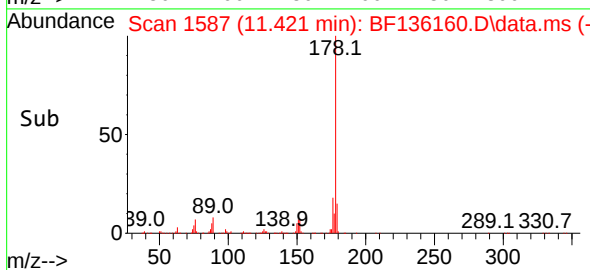
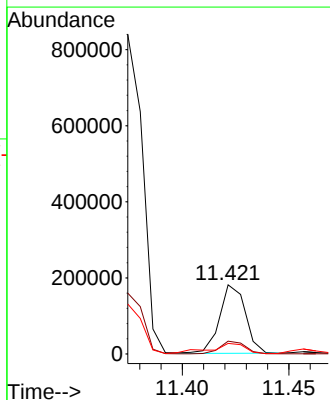
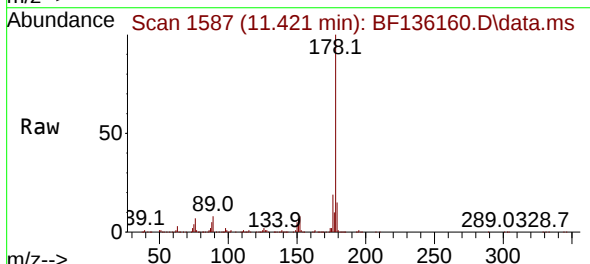
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Supervised By :mohammad
ahmed

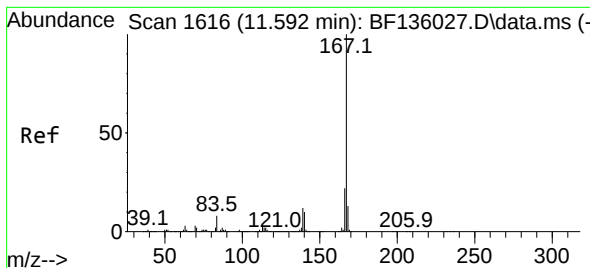
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#72
Anthracene
Concen: 13.117 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

Tgt Ion:178 Resp: 151824
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 15.3 12.6 18.8





#73

Carbazole

Concen: 5.632 ng

RT: 11.580 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136160.D

Acq: 06 Nov 2023 17:59

Instrument :

BNA_F

ClientSampleId :

WC-11

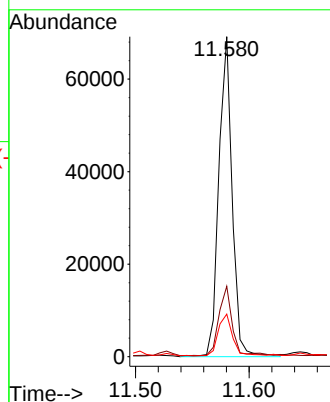
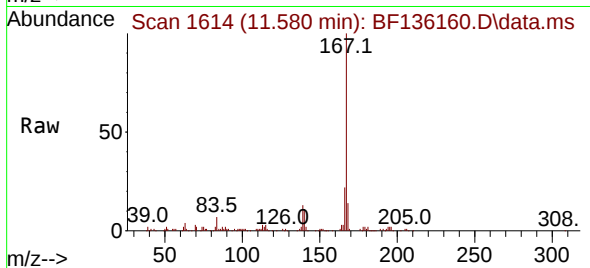
Tgt Ion:167	Resp: 5664
Ion Ratio	Lower Upper
167 100	
166 22.0	17.2 25.8
139 13.3	9.9 14.9

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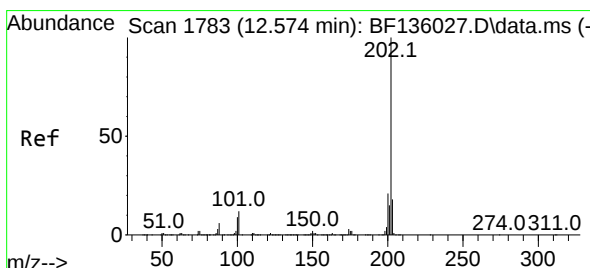
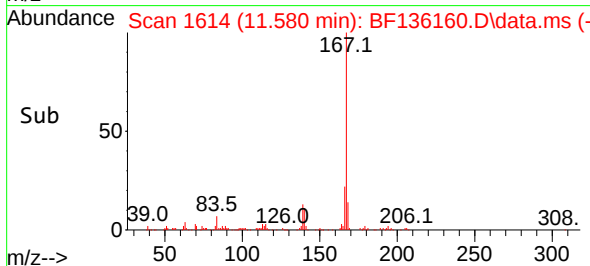
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#75

Fluoranthene

Concen: 82.755 ng

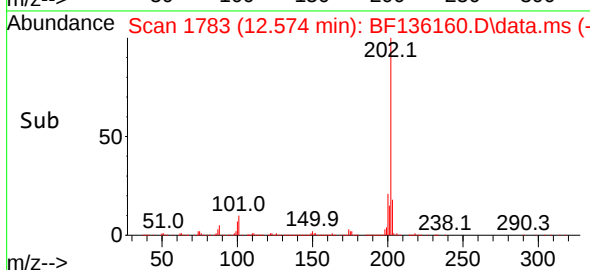
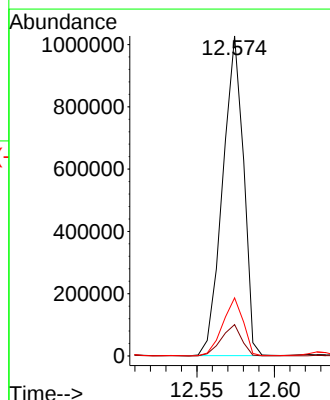
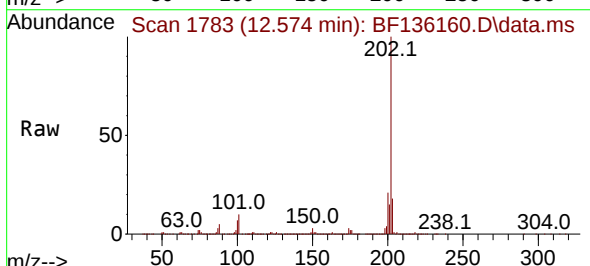
RT: 12.574 min Scan# 1783

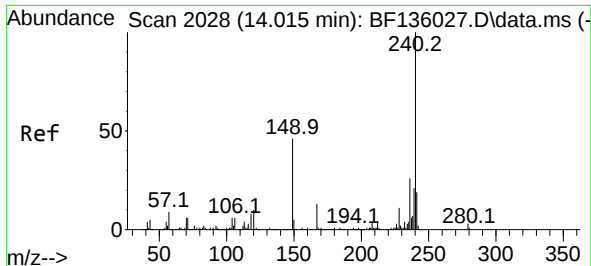
Delta R.T. 0.006 min

Lab File: BF136160.D

Acq: 06 Nov 2023 17:59

Tgt Ion:202	Resp: 960265
Ion Ratio	Lower Upper
202 100	
101 9.8	0.0 31.8
203 18.2	0.0 37.9





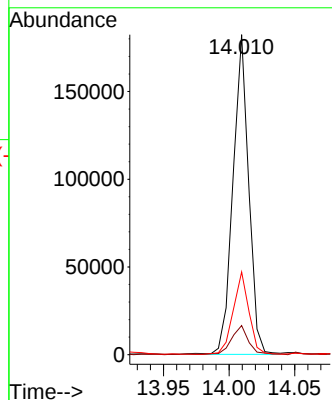
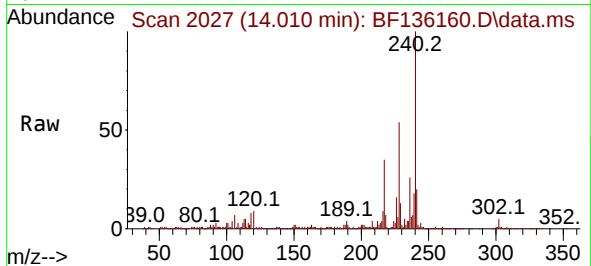
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

Instrument :
BNA_F
ClientSampleId :
WC-11

Tgt Ion:240 Resp: 152254
Ion Ratio Lower Upper
240 100
120 9.1 7.6 11.4
236 25.9 20.6 31.0

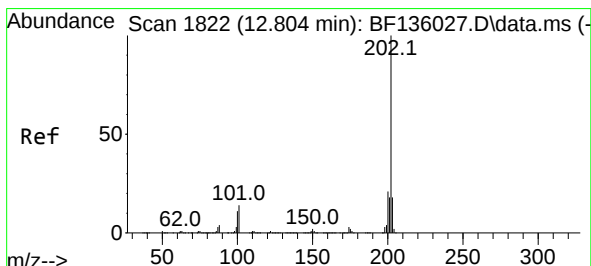
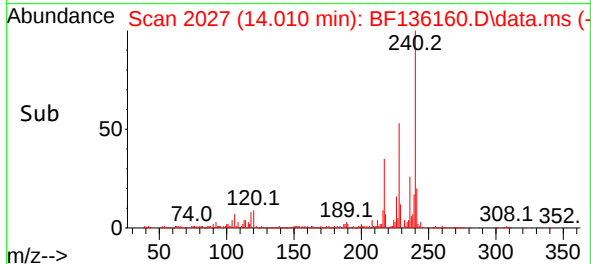
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Supervised By :mohammad ahmed 11/08/2023



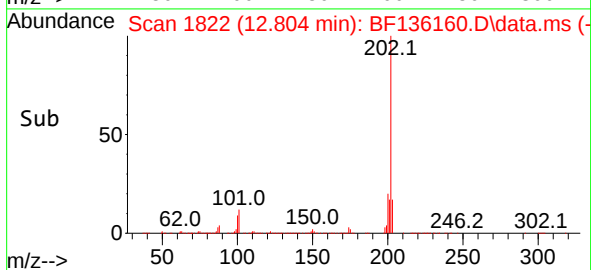
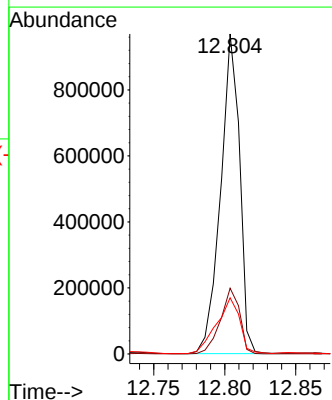
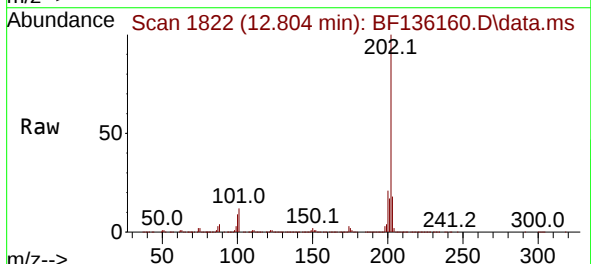
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Supervised By :mohammad
ahmed

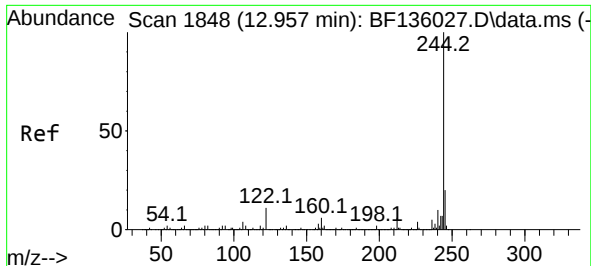
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#78
Pyrene
Concen: 67.055 ng
RT: 12.804 min Scan# 1822
Delta R.T. 0.006 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

Tgt Ion:202 Resp: 900113
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.4
203 17.5 14.4 21.6





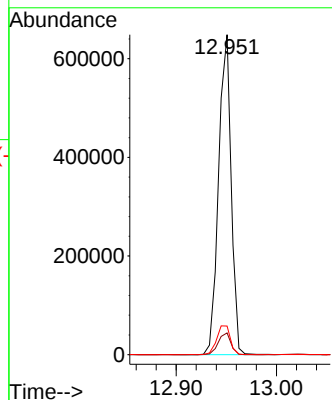
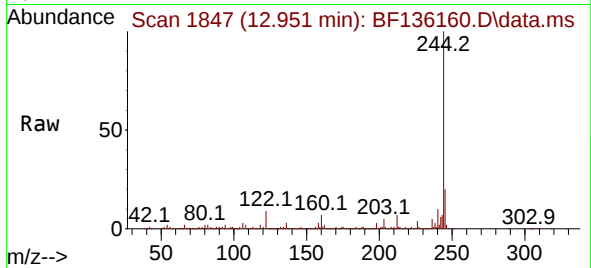
#79
Terphenyl-d14
Concen: 57.574 ng
RT: 12.951 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

Instrument :
BNA_F
ClientSampleId :
WC-11

Tgt Ion:244 Resp: 56407
Ion Ratio Lower Upper
244 100
212 6.8 5.1 7.7
122 8.9 8.6 12.8

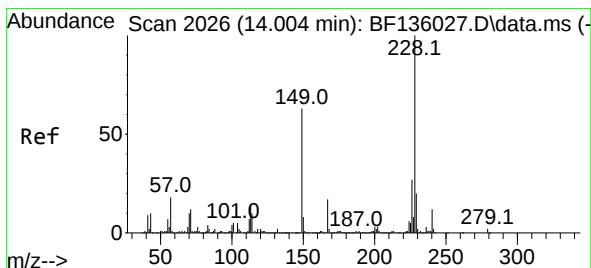
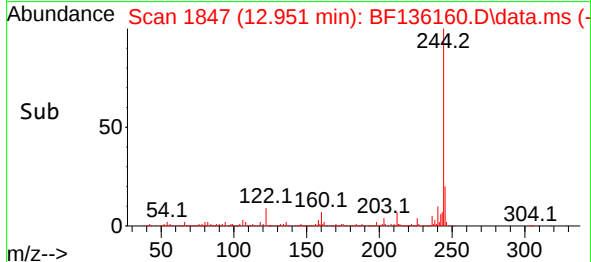
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Supervised By :mohammad ahmed 11/08/2023



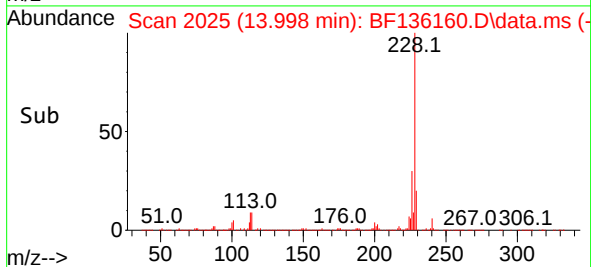
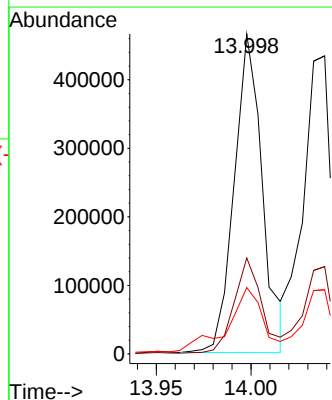
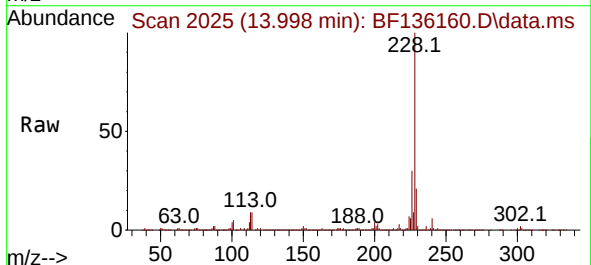
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ahmed

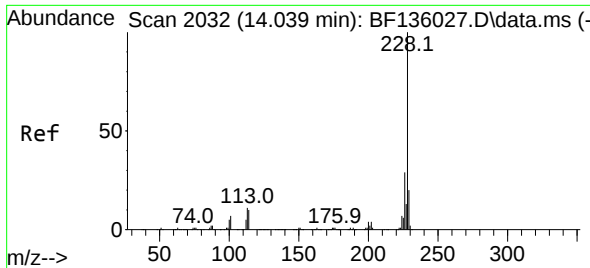
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#81
Benzo(a)anthracene
Concen: 47.631 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

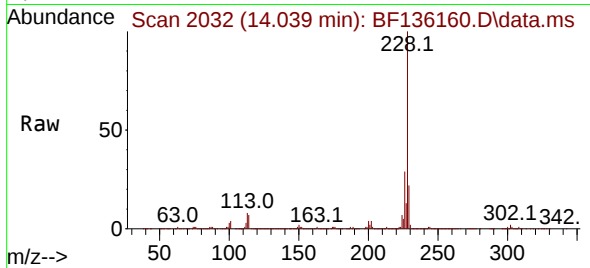
Tgt Ion:228 Resp: 480104
Ion Ratio Lower Upper
228 100
226 30.0 21.5 32.3
229 20.7 15.8 23.6





#83
Chrysene
Concen: 44.690 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

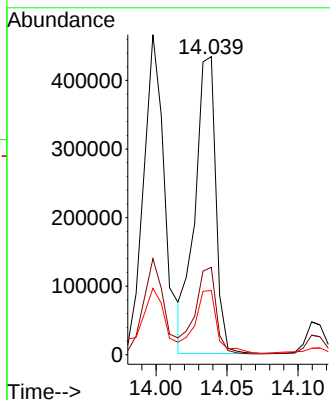
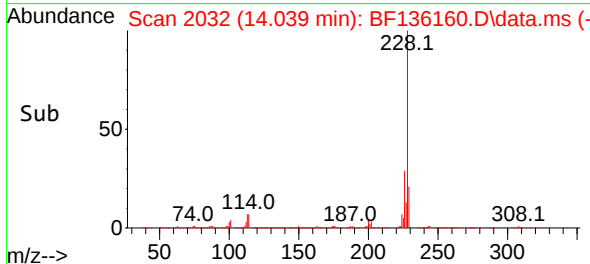
Instrument :
BNA_F
ClientSampleId :
WC-11



Tgt Ion:228 Resp: 44362
Ion Ratio Lower Upper
228 100
226 29.3 23.5 35.3
229 21.5 16.0 24.0

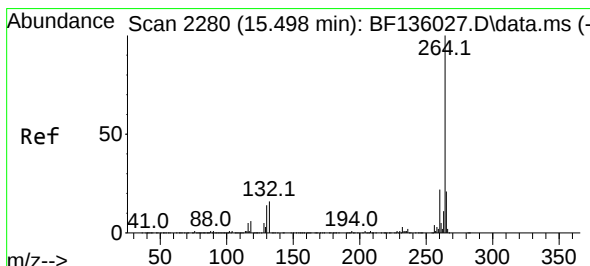
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Supervised By :mohammad ahmed 11/08/2023



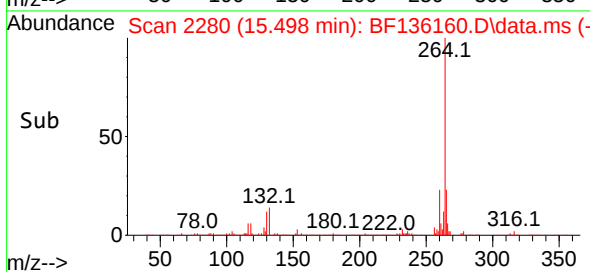
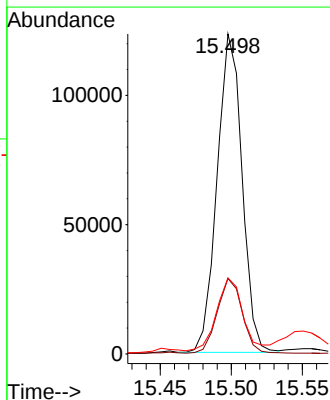
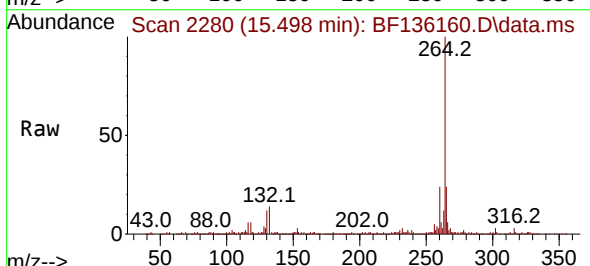
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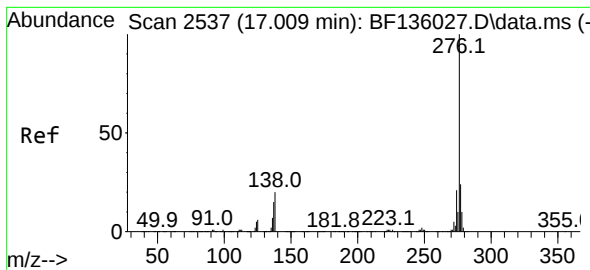
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

Tgt Ion:264 Resp: 150237
Ion Ratio Lower Upper
264 100
260 23.6 17.9 26.9
265 23.8 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 17.420 ng m

RT: 17.009 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136160.D

Acq: 06 Nov 2023 17:59

Instrument :

BNA_F

ClientSampleId :

WC-11

Tgt Ion:276 Resp: 171040

Ion Ratio Lower Upper

276 100

138 4.1 20.4 30.6

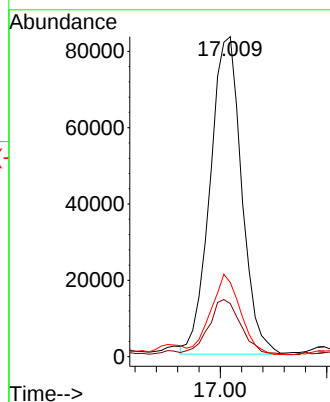
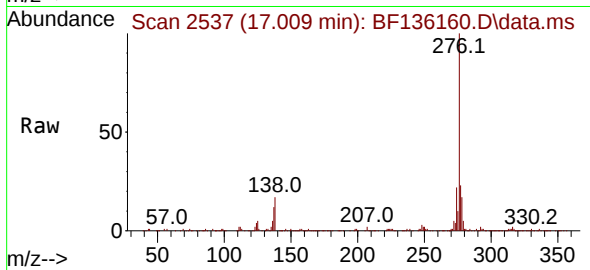
277 5.6 20.2 30.2

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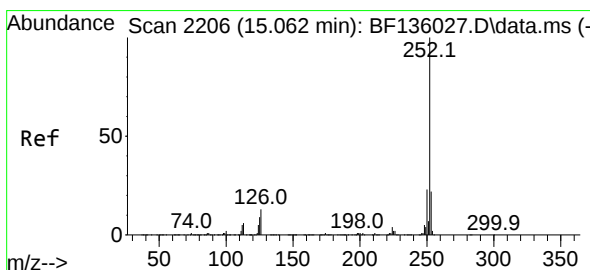
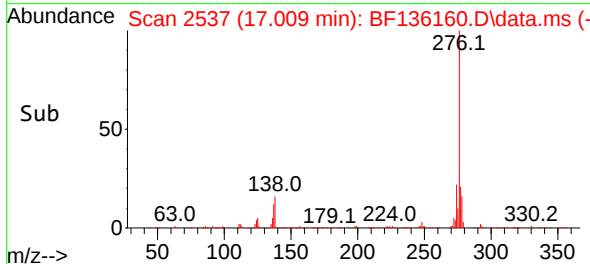
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ahmed

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#88

Benzo(b)fluoranthene

Concen: 60.855 ng m

RT: 15.068 min Scan# 2207

Delta R.T. 0.012 min

Lab File: BF136160.D

Acq: 06 Nov 2023 17:59

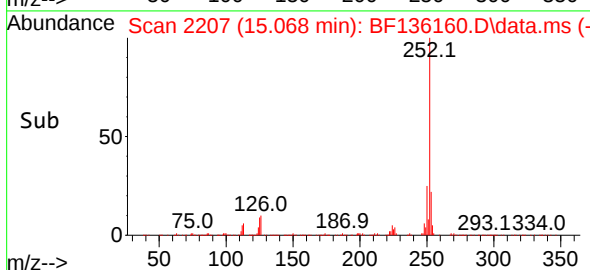
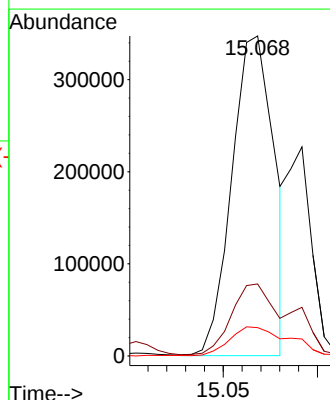
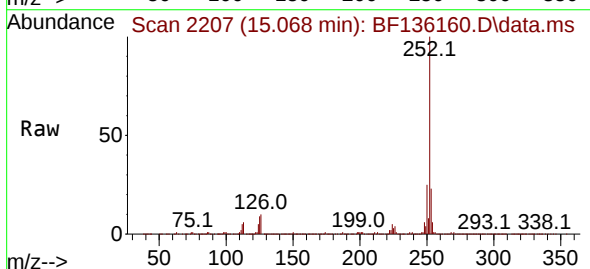
Tgt Ion:252 Resp: 540990

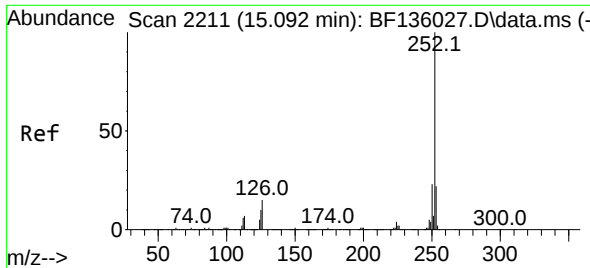
Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

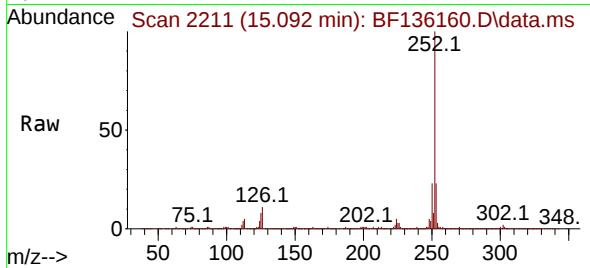
125 8.8 7.5 11.3





#89
Benzo(k)fluoranthene
Concen: 23.017 ng m
RT: 15.092 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

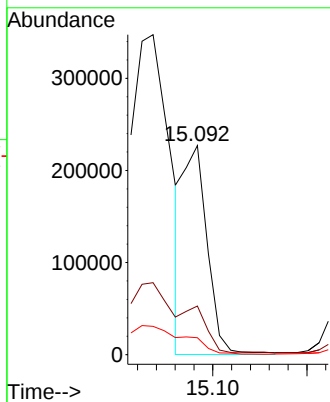
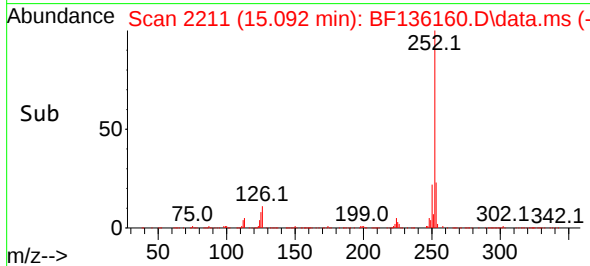
Instrument :
BNA_F
ClientSampleId :
WC-11



Tgt Ion:252 Resp: 202460
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 8.1 8.0 12.0

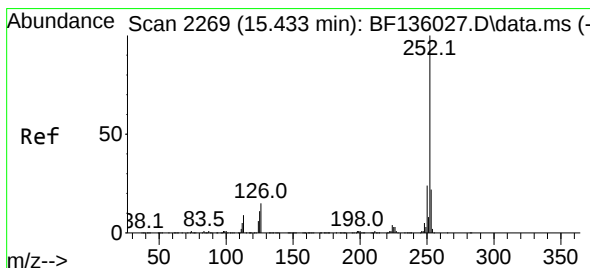
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Supervised By :mohammad ahmed 11/08/2023



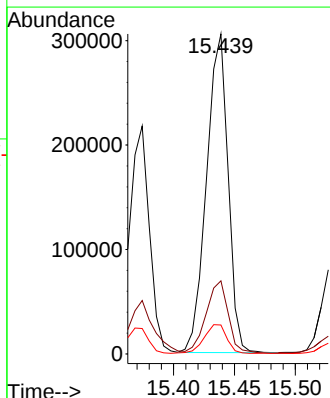
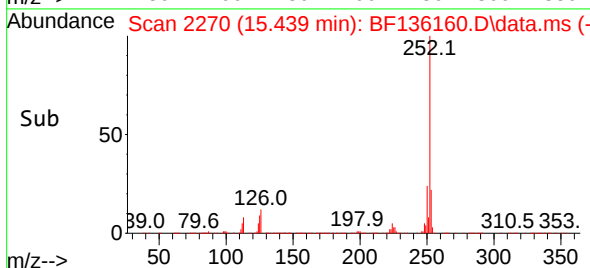
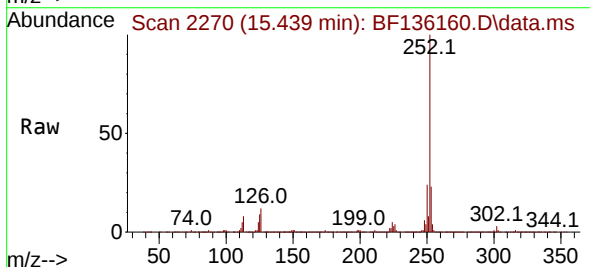
11/08/2023
Supervised By :mohammad
ahmed

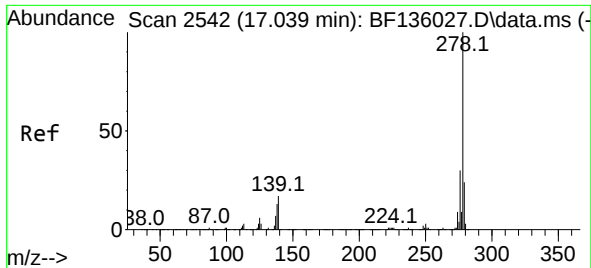
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#90
Benzo(a)pyrene
Concen: 45.489 ng
RT: 15.439 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

Tgt Ion:252 Resp: 375742
Ion Ratio Lower Upper
252 100
253 22.8 17.3 25.9
125 9.0 9.0 13.6





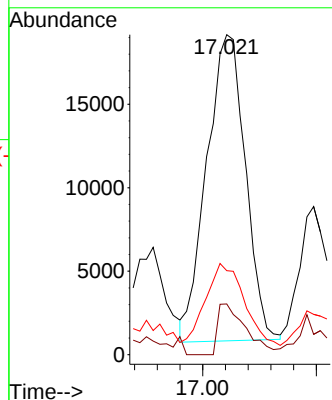
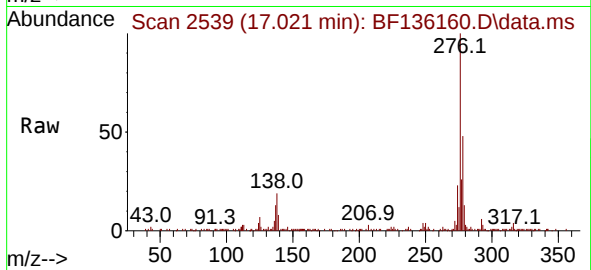
#91
Dibenzo(a,h)anthracene
Concen: 5.395 ng
RT: 17.021 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

Instrument :
BNA_F
ClientSampleId :
WC-11

Tgt Ion:278 Resp: 4339
Ion Ratio Lower Upper
278 100
139 15.9 13.7 20.5
279 26.3 19.0 28.6

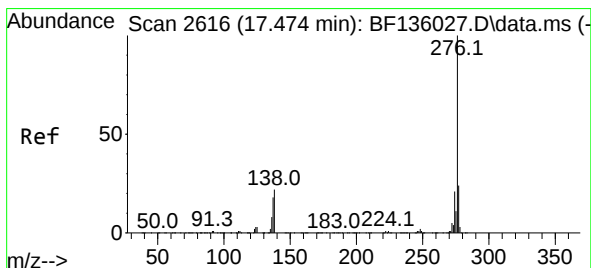
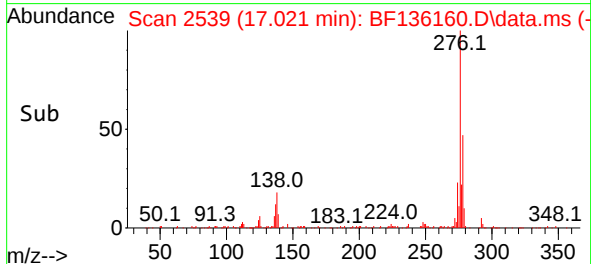
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Supervised By :mohammad ahmed 11/08/2023



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Supervised By :mohammad
ahmed

11/08/2023



#92
Benzo(g,h,i)perylene
Concen: 18.888 ng
RT: 17.462 min Scan# 2614
Delta R.T. -0.012 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

Tgt Ion:276 Resp: 155852
Ion Ratio Lower Upper
276 100
277 24.1 19.0 28.4
138 18.2 17.4 26.2

